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JAPANESE PATENT OFFICE

## PATENT ABSTRACTS OF JAPAN

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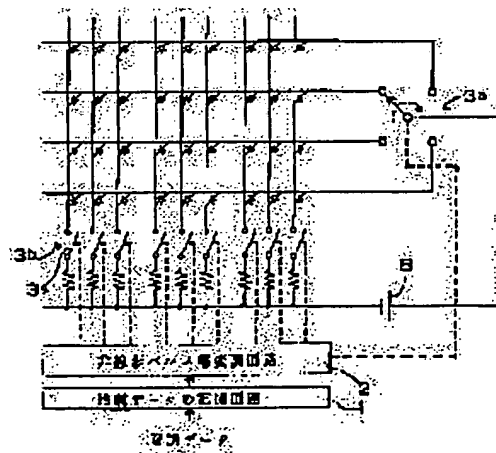
NAGAI YOSHIFUMI

(54) MULTICOLOR LED DISPLAY UNIT

(57)Abstract:

**PURPOSE:** To realize a desirable gray scale which can eliminate the luminance saturation perceived by eyes with a simple circuit.

**CONSTITUTION:** A multicolor LED display unit is provided with plural LEDs with different luminescent colors, disposed in the mutually close state, and an LED lighting circuit for blinking each LED so as to adjust the luminescent color and luminance. The LED lighting circuit is provided with a pulse width modulating circuit 2 for outputting the pulse corresponding to inputted gradation data, and an LED driving circuit 3 for lighting the LEDs by the output pulse of the pulse width modulating circuit 2. The pulse width modulating circuit 2 modulates the output pulse width nonlinearly to the inputted gradation data.



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